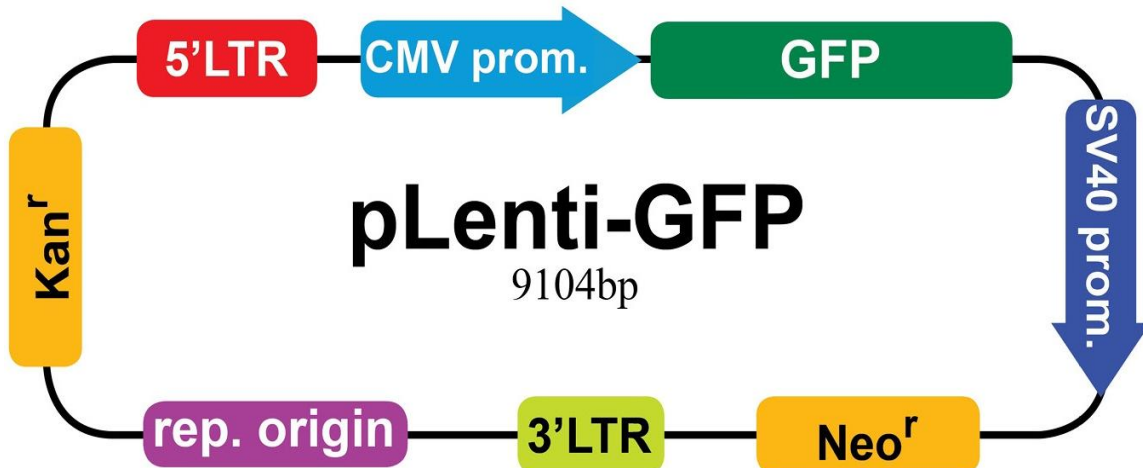


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| VectorType | Lentiviral Vector |
| Antibiotic Information | Kanamycin/Neomycin |
| Sequencing Primers | 5'---ttatcgtttcagaccacct---3' |
| Cloning Sites | EcoRI/NotI |



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1441 ttagatcattatataatacagtagcaacccctctattgtgtgcatcaaagatagagataa 1500
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1501 aagacaccaaggaagccttagacaagatagaggaagagcaaaacaaaagtaagaccaccg 1560
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1561 cacagcaagcgccgctgatcttcagacctggaggagagatagagggacaattgagaag 1620
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1621 tgaattatataaaataaaagtagtaaaaaattgaaccattaggagtagcaccaccaaggc 1680
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RRE reg(1723,1956)>>>
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1681 aaagagaagagtggtgcagagagaaaaagagcagtggaataggagctttgttccttgg 1740
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ORF_1 rf(2)(1766,2449)>>>
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1861 gcaacagcatctgttcaactcacagtctgggcatcaagcagctccaggcaagaatcct 1920
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1921 ggctgtggaagatacctaaggaatcaacagctcctgggatttggggttgcctctgga 1980
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2041 gatttggaaatcacacgacctggatggagtgaggacagagaaattaacaattacacaagc 2100
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2101 aatacactccttaattgaagaatcgcaaaaccagcaagaaagaatgaacaagaattatt 2160
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NdeI
|

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2821 gggatttcaagtcctccacccattgacgtcaatgggagtttggtttggcaccacaaatca 2880
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ORF_2 rf(2)(2927,3835)>>>


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      SfiI                               StuI
      |                               |
4381 ggctctgagctattccagaagtagtgaggaggctttttggaggcctagtgaccagatc 4440
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      NTP_II marker (4575,5363)>>>
      |
      ORF_4 rf (3) (4572,5366)>>>
      | |
      Neomycin/Kanamycin (4569,5364)>>>
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4561 gatcgtttcgcatgattgaacaagatggattgcacgcaggttctccggccgcttgggtgg 4620
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      3' LTR (5485,5775)<<<
      |
      delta_U3 other (5462,5514)>>>
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SmaI
|
XmaI
||

5821 accgctgatcagcctcagctgtgacctcttagttgccagccatctggtgttgccegggcgc 5880
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pBR322 origin (6416,7035) <<<

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NTP_II marker(7829,8617)>>>

ORF_3 rf(2)(7826,8620)>>>

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f1 origin(8725,9030)<<<

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5'-LTR

Start: 670 End: 1151

CMV

Start: 2451 End: 3020

GFP

Start: 3116 End: 3836

Sv40e

Start: 4363 End: 4568

Neo/Kan

Start: 4570 End: 5364

3'-LTR

Start: 5486 End: 5775

GENTAUR